Notice of Allowability	Application No.	Applicant(s)	
	10/648,390	NOJIRI ET AL.	
	Examiner	Art Unit	
	Danny Nguyen	2836	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet wi (OR REMAINS) CLOSED in or other appropriate comm GHTS. This application is	n this application. If not included unication will be mailed in due course. THIS	ive
1. $\boxtimes$ This communication is responsive to <u>"The amendment filed</u>	<u>1 6/9/2005"</u> .		
2. The allowed claim(s) is/are <u>1-8</u> .			
3. $\boxtimes$ The drawings filed on <u>27 August 2003</u> are accepted by the	Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una)  All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have</li> </ol> </li> <li>Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). <ul> <li>* Certified copies not received:</li> </ul> </li> </ul>	been received. been received in Application	on No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			
<ul> <li>6. CORRECTED DRAWINGS (as "replacement sheets") mus <ul> <li>(a) including changes required by the Notice of Draftsperse</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper of the p</li></ul></li></ul>	on's Patent Drawing Review  Amendment / Comment on  S4(c)) should be written on the header according to 37 CF  Sit of BIOLOGICAL MAT	in the Office action of the drawings in the front (not the back) of R 1.121(d). ERIAL must be submitted. Note the	
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 8), 7. ☐ Examiner's	formal Patent Application (PTO-152)  ummary (PTO-413),  'Mail Date  Amendment/Comment  Statement of Reasons for Allowance	

## Allowable Subject Matter

Applicant's arguments filed 6/9/2005 with respect to claims 1, 4, 5, and 6 have been fully considered and found persuasive. Claims 1-8 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 1, 4, and 5 recite a semiconductor device comprises a first protection circuit protecting the internal circuit from static electricity generated at the first input terminal, the first protection circuit including a plurality of first diode elements connected in series between the first input terminal and a line of a reference potential and conducting in response to a voltage of the first input terminal exceeding a second positive voltage higher than the first positive voltage, and plurality of second diode elements connected between the line of said reference potential and the first input terminal and conducting in response to the voltage of the first input terminal going lower than a first negative voltage; wherein each of the plurality of first diode elements and the plurality of second diode element is formed with a thin film transistor having its gate and drain connected together.

Claim 6 recites a semiconductor device comprises a first protection circuit protecting the internal circuit from static electricity generated at the first input terminal, the first protection circuit including a plurality of first diode elements connected in series between the first input terminal and a line of a reference potential and conducting in response to a voltage of the first input terminal exceeding a second positive voltage higher than the first positive voltage, and plurality of second diode elements connected

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between the line of said reference potential and the first input terminal and conducting in response to the voltage of the first input terminal going lower than a first negative voltage; a second protection circuit includes a plurality of third diode elements connected in series between the line reference and the second input terminal, a fourth diode element connected between the second input terminal and the line reference, a third protection circuit includes a plurality of fifth diode elements connected in series between the third input terminal and the line reference, a plurality of sixth diode elements connected in series between the line reference and the third input terminal.

The references of record do not teach or suggest the aforementioned limitation, nor would it be obvious to modify those references to include such limitation

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (571)-272-2054. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571)-272-2058. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DN

DN 8/12/2005

> STEPHEN W. JACKSON PRIMARY EXAMINER